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UTILITY PATENT APPLICATION TRANSMITTAL

Assistant Commissioner for Patents
Washington, D.C. 20231
BOX PATENT APPLICATIONAttorney Docket No.: PA010047
Date: 1/24/01
Express Mail Label No.: ET100744576US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): KHALED EL-MALEH ET AL.For: ENHANCED CONVERSION OF WIDEBAND SIGNALS TO NARROWBAND SIGNALS.

Enclosed are:

1. Patent application (22) total pages.
2. Drawings: Formal (6) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. Priority Claim: This Application Claims Priority To U.S. Application Serial No. , filed, , Status
5. An Assignment () pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations:)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	22 - 20	2	x \$18 =	\$36
Independent**	8 - 3	5	x \$80 =	\$400
Multiple Dependent Claim(s): <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes				\$270
APPLICATION FILING FEE				\$710
				TOTAL FEE \$1146

*If the number in column a is less than 20, enter 0 in column b.
**If the number in column b is less than 3, enter 0 in column b.

9. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1146.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: 1/24/01

Signature:

Kyong H. Macek, Reg. No. 42,977
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Facsimile: (858) 658-2502

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)
KHALED EL-MALEH ET AL.) For: ENHANCED CONVERSION OF
) WIDEBAND SIGNALS TO
) NARROWBAND SIGNALS
Serial No. UNKNOWN)
)
Filed: HEREWITH) Group Art Unit: UNKNOWN

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Assistant Commissioner of Patents
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Washington, D.C. 20231

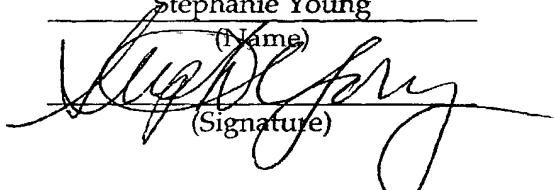
Dear Sir:

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I hereby certify that this paper or fee (Transmittal Letter with Fee Authorization; Utility Patent Application consisting of 22 pages; 6 Formal Drawing Sheets; a Combined Declaration/Power of Attorney; and a Return Self-Addressed Stamped Postcard) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, BOX PATENT APPLICATIONS, Washington, D.C. 20231.

Stephanie Young

(Name)


(Signature)

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